Claims

1. Cogging piece (1) for use in notching of log constructional elements (2) to other log constructional elements (2) or to corresponding separate log constructional elements (9), said cogging piece being adapted to be attached to both ends of each log constructional element (2) and to the end of each end constructional element (9) that is adapted to face a cogged joint, **characterized in** that the cogging piece (1) is provided with lateral (4at, 4bt, 7at, 7bt) and axial (5at, 5bt, 6at, 6bt) inclined surfaces that are adapted to rest against corresponding axial and lateral surfaces respectively of cogging pieces attached to below and/ or above intersecting log constructional elements and end constructional elements in such a manner that increasing vertical force on a wall leads to an increased axial contraction of the cogged joints in the same wall.

2. Cogging piece as claimed in claim 1, **characterized in** that it is provided with two upper axial projections (4a, 4b) with laterally inclined surfaces (4at, 4bt) and two lower axial projections (7a, 7b) with laterally inclined surfaces (7at, 7bt), two upper lateral projections (5a, 5b) with axially inclined surfaces (5at, 5bt) and two lower lateral projections (6a, 6b) with axially inclined surfaces (6at, 6bt).

3. Cogging piece as claimed in claim 2, **characterized in** that between upper laterally inclined surfaces (4at, 4bt) a substantially wedge-like region (4s) is defined with a shape and dimension that mainly corresponds to the shape of the two lower lateral projections (6a, 6b) of two cogging pieces (1) positioned adjacent to each other with end surfaces (8) in contact with each other.

4. Cogging piece as claimed in claim 2, **characterized in** that between lower laterally inclined surfaces (7at, 7bt) a substantially wedge-like region (7s) is defined with a shape and dimension that mainly corresponds to the shape of the two upper lateral projections (5a, 5b) of two cogging pieces (1) positioned adjacent to each other with end surfaces (8) in contact with each other.

5. Cogging piece as claimed in claim 2, **characterized in** that a substantially wedge-shaped region (5as resp. 5bs) between an upper axial inclined surface (5at resp. 5bt) and the end of the corresponding log constructional element (2) or end constructional element (9) is defined, the shape and dimension of which generally corresponds to the shape and dimension of any one of the lower, wedge-like projections (7a, 7b).

6. Cogging piece as claimed in claim 2, **characterized in** that the upper, axial projections (4a, 4b) are mutually symmetrical about a vertical plane and that the lower, axial projections (7a, 7b) are mutually symmetrical about the same vertical plane.

7. Cogging piece as claimed in claim 6, **characterized in** that the upper axial projections (4a, 4b) are symmetrical with lower, axial projections (7a, 7b) about a horizontal plane.

8. Cogging piece as claimed in claim 2, **characterized in** that upper, lateral projections (5a, 5b) are mutually symmetrical about a vertical plane and that lower lateral projections (6a, 6b) are mutually symmetrical about the same vertical plane.

9. Cogging piece as claimed in any one of the preceding claims, **characterized in** that the cogging piece (1) includes means to be permanently attached to a log constructional element (2) or to an end constructional element (9).

10. Cogging piece as claimed in any one of the preceding claims, **characterized in** that the cogging piece (1) includes means to be temporarily attached to a log constructional element (2) or to an end constructional element (9).

11. Cogging piece as claimed in claim 1, **characterized in** that the cogging piece (1) is arranged to be attached to a log constructional element (2) or to an end constructional element (9) by means of brackets (13) and a locking pin (11).